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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/995,779	11/29/2001	Hideki Isohata	122.1477	1716
21171	7590	07/23/2004	EXAMINER	
STAAS & HALSEY LLP SUITE 700 1201 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005			QUARTERMAN, KEVIN J	
			ART UNIT	PAPER NUMBER
			2879	

DATE MAILED: 07/23/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/995,779

Applicant(s)

ISOHATA ET AL.

Examiner

Kevin Quarterman

Art Unit

2879

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 14 April 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-26 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 April 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>0404</u> . | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

***Response to Amendment***

1. Applicant's amendment filed 14 April 2004 has been entered and overcomes the objections to the specification.

***Drawings***

2. The replacement drawings were received on 14 April 2004. These drawings are acceptable.

***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-26 are rejected under 35 U.S.C. 102(e) as being anticipated by Isohata (US 6288489).

5. The applied reference has a common inventor with the instant application.

Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

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6. Regarding independent claim 1, Figure 4 of Isohata shows a plasma display apparatus comprising a plasma display panel (10), circuit substrates (11, 12) having drive circuits (13) to drive the plasma display panel, a main frame (17) to mount the circuit substrates, and adhesive tapes (18) to fix the plasma display panel to the main frame, wherein the main frame comprises plural small holes (7) provided where the adhesive tapes are fixed.

7. Regarding claim 2, Figure 6A of Isohata shows the plural small holes arranged regularly at established intervals.

8. Regarding claim 3, Figure 7A of Isohata shows the main frame comprising plural small recesses on the portion, to which the adhesive tapes are fixed, of the surface to which the adhesive tapes are fixed.

9. Regarding claim 4, Figure 6A of Isohata shows the plural small recesses arranged regularly at established intervals.

10. Regarding claim 5, Figure 6A of Isohata shows the main frame comprising plural small recesses provided on the surface opposite to the one to which the adhesive tapes are fixed.

11. Regarding claim 6, Figure 6A of Isohata shows the plural small recesses, provided on the surface opposite to one to which the adhesive tapes are fixed, arranged regularly at established intervals.

12. Regarding claim 7, Figure 6A of Isohata also shows the main frame comprising plural small projections on the surface opposite to one to which the adhesive tapes are fixed.

13. Regarding claim 8, Figure 6A of Isohata shows the plural small projections arranged regularly at established intervals.
14. Regarding claim 9, Figure 6A of Isohata shows the adhesive tapes comprising plural small holes (6).
15. Regarding claim 10, Figure 6A of Isohata shows the plural small holes arranged at established intervals.
16. Regarding claim 11, Figure 5 of Isohata also shows the adhesive tapes comprising plural small recesses on the surface in contact with the plasma display panel.
17. Regarding claim 12, Figure 5 of Isohata shows the plural small recesses on the adhesive tapes arranged regularly at established intervals.
18. Regarding independent claim 13, which is basically a combination of independent claim 1 and claim 3, Isohata discloses like limitations of independent claim 1 and claim 3, as discussed earlier.
19. Regarding claim 14, Figure 6A of Isohata shows the plural small recesses arranged regularly at established intervals.
20. Regarding claim 15, Figure 6A of Isohata shows the main frame comprising plural small recesses provided on the surface opposite to the one to which the adhesive tapes are fixed.
21. Regarding claim 16, Figure 6A of Isohata shows the plural small recesses, provided on the surface opposite to one to which the adhesive tapes are fixed, arranged regularly at established intervals.

22. Regarding claim 17, Figure 6A of Isohata shows the main frame comprising plural small projections on the surface opposite to one to which the adhesive tapes are fixed.
23. Regarding claim 18, Figure 6A of Isohata shows the plural small projections arranged regularly at established intervals.
24. Regarding claim 19, Figure 6A of Isohata shows the adhesive tapes comprising plural small holes (6).
25. Regarding claim 20, Figure 6A of Isohata shows the plural small holes arranged at established intervals.
26. Regarding claim 21, Figure 5 of Isohata also shows the adhesive tapes comprising plural small recesses on the surface in contact with the plasma display panel.
27. Regarding claim 22, Figure 5 of Isohata shows the plural small recesses on the adhesive tapes arranged regularly at established intervals.
28. Regarding independent claim 23, which is basically a combination of independent claim 1 and claim 9, Isohata discloses like limitations of independent claim 1 and claim 9, as discussed earlier.
29. Regarding claim 24, Figure 6A of Isohata shows the plural small holes arranged at established intervals.
30. Regarding independent claim 25, which is basically a combination of independent claim 1 and claim 11, Isohata discloses like limitations of independent claim 1 and claim 11, as discussed earlier.

31. Regarding claim 26, Figure 5 of Isohata shows the plural small recesses on the adhesive tapes arranged regularly at established intervals.

***Response to Arguments***

32. Applicant's arguments filed 14 April 2004 have been fully considered but they are not persuasive.

33. In response to applicant's argument that Isohata does not show plural small holes arranged at regular intervals, the Examiner notes that Isohata discloses that a screw hole 7 is provided in each of tabs 5 and sockets 6 shown in Figure 6A. Since Figure 6A shows the tabs arranged at regular intervals, the Examiner holds that Isohata does show plural small holes arranged at regular intervals.

34. In response to applicant's argument that Isohata fails to show the main frame comprising plural small recesses provided on the surface opposite to the one to which the adhesive tapes are fixed, the Examiner notes that since the screw holes extend through the main frame, both surfaces of the main frame comprise plural small recesses. Thus, the Examiner holds that Isohata does show the main frame comprising plural small recesses provided on the surface opposite to the one to which the adhesive tapes are fixed.

35. In response to applicant's argument that Isohata fails to show the adhesive tapes comprising plural small recesses on the surface in contact with the plasma display panel, the Examiner notes that Figures 5A-C of Isohata show the adhesive tapes (1a-c) having plural small recesses (not labeled) filled with a spacer (3).

36. In response to applicant's note that the small holes (7) indicated by the Examiner are holes through which screws pass, the Examiner notes that claims are given their broadest reasonable interpretation.

***Conclusion***

37. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

38. A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.



**Contact Information**


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin Quarterman whose telephone number is (571) 272-2461. The examiner can normally be reached on M-TH (7-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel can be reached on (571) 272-2457. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kevin Quarterman  
Examiner  
Art Unit 2879

kq   
20 July 2004

  
**Joseph Williams**  
Primary Examiner  
Art Unit 2879